

# THE TECH

Boston, Massachusetts.

October 24, 1895.

Volume XV.

Number 4.

#### WE GUARANTEE TO MEET IN COMPETITION

any Tailoring concern in this city, in the matter of Fit, Quality, and Price.

### HIBBARD, MASON CO.,

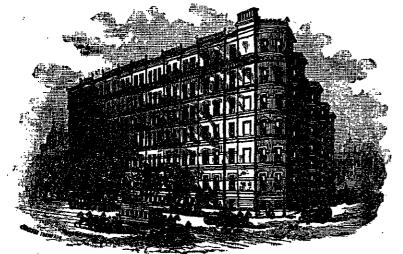
#### FINE TAILORING,

Dress Suits, Silk Lined, to Order, \$45.

515 Washington Street, Boston.

#### THE HOTEL HUNTINGTON,

Copley Square and Huntington Avenue.



C. A. JONES & CO., Proprietors.

#### STUDENTS' SUPPLIES.

Blank Books, Note Books, Drawing Papers, Pens, Inks of all kinds, Fountain Pens.

#### PERIODICALS AND MAGAZINES.

Writing Paper and Envelopes with TECH Monogram and Imprint Paper by the pound, at

#### SOUTHWELL'S,

Corner Dartmouth Street and Columbus Avenue, and 439 Boylston Street.

2d door from Berkeley Street.

# OAK GROVE CREAMERY COMPANY, DAIRY LUNCH ROOM.

445 BOYLSTON STREET, COR. BERKELEY, opp. Y. M. C. A. Building,

Where can be had Sandwiches of all kinds, Soups, Tea, Coffee, and regular Dairy Lunch.

#### EVERYTHING FIRST CLASS.

Pure Fresh-churned Butter, in Quarter-pound Prints, Five and Ten Pound Boxes, Pure, Fresh Milk and Cream, delivered in Glass Jars. Fresh-laid Eggs. Pure, Full Cream Cheese, American (plain), Sage, Neuf-chatel and Edam. All kinds of Fruit Ices.

NELSON L. MARTIN.

#### STUDENTS' SUPPLIES.

### Drawing Instruments and Materials of all kinds

GET THE BEST! - FOUNTAIN PENS. - WATERMAN'S IS THE BEST.

Lowest Prices and Finest Quality of Goods Guaranteed.

At Room 10 Engineering Building and Basement of Architectural Building.

#### R. J. NORMAN.

### St. Botolph Hall Café.

38 St. Botolph Street,

Respectfully solicits the patronage of students of the Massachusetts Institute of Technology.

M. DWYER.

#### Drawing Boards, Papers,

Inks, Pens, Instruments, and Fountain Pens

At Discounted Rates.

#### A. D. MACLACHLAN,

Tech Co-operative Store,

214 Clarendon St., - - Boston, Mass.

EXTRA COPIES OF

### THE TECH

Can be found at THE TECH office, third floor, Rogers Building, and at

#### A. D. MACLACHLAN'S,

214 Clarendon Street.

Tech Co-operative Store.

#### Bookbinding

IN EVERY STYLE.

ALEX. MOORE, 3 School Street, BOSTON.

#### C. E. RICHARDSON,

141-Dartmouth Street-141

#### FURNISHING GOODS, and Agent for DARTMOUTH LAUNDRY.

Orders by mail receive prompt attention.

Goods called for and delivered without extra charge.



### J. C. LITTLEFIELD,

Tailor · and · Outfitter,

21, 23 BEACON STREET, BOSTON.

I can offer you a larger and more complete assortment than can be seen elsewhere, and at lower prices for the same qualities. Look in and examine my prices before placing your order.

GOLF BREECHES, RIDING BREECHES, AND DRESS SUITS A SPECIALTY.

DISCOUNT TO STUDENTS.

### HASTINGS...

#### **PHOTOGRAPHER**

To the Class of '95, M. I. T., and Tech Editorial Group '96, Pastels, Crayons, Water Colors.

No. 146 Tremont Street, over Huyler's.

Branch... No. 1068 Boylston Street, Corner Massachusetts Avenue.

SILVER MEDAL, Boston, 1881. Gold Medal, Boston, 1887. Grand Prize, P. A. of A., Washington, 1890. Bronze Medal, Washington, 1890. Gold Medal, Boston, 1892. Silver Medal, Chicago, 1893. Aristo Award, St. Louis, 1894. Gold Badge, Cramer Award, St. Louis, 1894. Special Diploma, Illustrative Class, St. Louis, 1894.

### STANDARD CLOTHING CO.,

MANUFACTURING RETAILERS OF

### HIGH GRADE CLOTHING

From both Foreign and Domestic Fabrics.

ALSO ADVANCE STYLES IN TROUSERS, SUITS, & OVERCOATS. Full Dress Suits Constantly on Hand.

395 WASHINGTON ST.,

BOSTON, MASS.

# Union Gymnasium

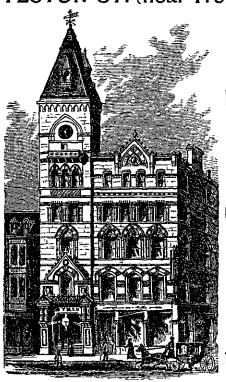
48 BOYLSTON ST. (near Tremont).

PRACTICAL.

Complete Modern Apparatus.

Popular Classes.

Terms, \$5 and \$8 per Year.



POPULAR.

Extra Large Lockers.

Competent Instructors.

No Extra Charge for Instruction

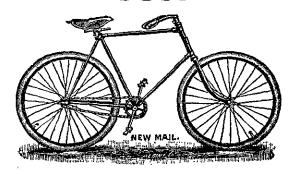
#### BOSTON YOUNG MEN'S CHRISTIAN UNION.

WM. H. BALDWIN, Pres.

George Peirce, Sec'y.

# NEW \* MAIL

HIGHEST GRADE LIGHT ROADSTER. \$85.



MEN'S AND LADIES' pattern .	•	•	. \$85
Also TEMPLAR, best medium gra	ade	Man	's
Wheel	•	•	. \$60
ATALANTA, Ladies' Pattern	•	•	. \$60
Boys' and Girls' Wheels	•		. \$15 up
A few Shonworn and Secondhand	Wh	عامم	takan in

A few Shopworn and Secondhand Wheels, taken in trade, at very low prices. Bargains. \$25, \$30, etc.

Catalogue and Secondhand list.

#### · · WILLIAM READ & SONS · ·

107 WASHINGTON STREET, BOSTON.

### L. P. HOLLANDER & CO.,

202 and 212 Boyiston Street, and Park Square.

### High Grade Ready-made Clothing for Young Men,

EXCLUSIVELY OUR OWN MAKE.

We would call special attention to our very attractive lines of

Homespun and Scotch Tweed Sack Suits at prices ranging from \$18.00 to \$26.00. Knickerbocker Trousers, \$6.50 to \$9.00. Silk-lined Covert Coats, \$24.00 to \$26.00.

### Frank Wood,

Printer,

352 Washington Street, Boston.

#### ARE YOU STUDENTS AWARE that you can furnish your rooms at

### HOUGHTON & DUTTON'S

For less money than at any other house in Boston? If you doubt it, come and convince yourselves. We give you here a few hints; run these down and they will open up many other bargains which you cannot afford to ignore.

#### FURNITURE.

White Enamelled Beds, Brass Trim'gs, etc. \$4.93 to \$16.00 Mattresses in great variety 2.50 to 19.00 Bed Springs					
RUGS. CARPET SIZES.					
Wool Ingrains, size 3 by 2 yards \$3.98   Japanese Ingrain, size 3 1-2 by 2 1-2 yards \$6.98   " " 4 by 3 yards 9.38   " " 4 by 3 yards 9.38   Smyrna Royal " 3 1-2 by 2 1-2 yards 28.00   " " 4 by 3 yards					
The Nickel-plated "Perfection," the best and most popular lamp for study and reading					
DECORATED CHINA.					
Decorated Royal Brown <b>Punch Bowls</b> , 7 quart size, beautifully decorated by hand and stippled with gold, worth \$2.50, for					
GLASSWARE.  Real Cut Glass Decanters, flute necks and star bottoms, only					

#### FOOTWEAR.

All styles in Calf, Winter Russet, and Patent Leather.

Razor, Piccadilly, and Wide Toes.

#### PRICES REASONABLE.

Our \$4.00 and \$5.00 Shoes are of superior style and quality.

Discount to Technology.

#### T. E. MOSELEY & CO.,

469 WASHINGTON STREET.



The "LINENE" are the best and most economical Collars and Cuffs worn; they are made of fine cloth, both sides finished alike, and, being reversible, one collar is equal to two of any other kind.

They look like linen, and are the only goods that a well-dressed gentleman can wear in place of real linen.

They are not to be washed; all laundry trouble and expense are avoided.

They are perfect-fitting, retaining their shape better than any other goods.

A box of ten Collars or five pairs of Cuffs for twenty-five cents.

A sample Collar and pair of Cuffs by mail for six cents in opstage stamps. Name style and size. Address

#### REVERSIBLE COLLAR CO.,

77 Franklin St., N. Y.

27 Kilby St., Boston.

# CENEVIOUS, Silk Mixed Worsteds and Coverts.

#### FALL OVERCOATS FOR CENTLEMEN, \$20.

Our Fall Overcoats are now in readiness, and at the popular price of Twenty Dollars we are prepared to show such an extensive variety as will make satisfactory choice a surety.

Cheviots, hard faced, silk mixed worsteds and coverts in dark shades, steels and tans, with black clay worsteds and rough-faced fabrics are represented.

These garments are thoroughly high grade, both exterior and interior, and have been made up by our custom workmen during the dull season.

**NOTE.**—At Twelve and Fifteen Dollars we have a substantial, well-selected stock of Men's Fall Overcoats for travelling and business uses.

### a. Shuman & Co.,

MANUFACTURING CLOTHIERS,



BOSTON.

# CONTINENTAL CLOTHING HOUSE, MEN'S, BOYS', AND CHILDREN'S CLOTHING,

GENTS' FURNISHINGS, HATS AND CAPS.

Fine custom work made from measure. Uniforms of every description. Special attention given to Technology and English High School Uniforms. Workmanship the best. Prices the lowest.

#### CONTINENTAL CLOTHING HOUSE,

Corner Washington and Boylston Streets, Boston, Mass.



OF ALL BAR SPRINGS THE FOUR-BAR IS THE BEST

### C. E. DAVIS,

### Manufacturing and Prescription Optician,

No. 2 Park Square, Rooms 1 and 2, Boston.

MAKER OF THE FINEST CLASS OF PRESCRIPTION OPTICAL WORK AT A SAVING OF 75 PER CENT ON OLD PRICES.

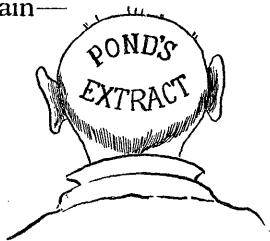
SAMPLE PRICES: Compound Cylinders in Steel (best quality), \$2.50. Artificial Human Eyes, to Patient, \$4.00. Fifteen per cent special discount to students.

IMPORTER OF ARTIFICIAL EYES.

SELECTION PACKAGES FURNISHED.

#### Institute Men===

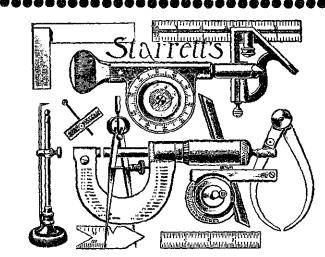
have the reputation of knowing a good thing when they see it. Pond's Extract is a good thing; the best thing obtainable for sprains, cuts, inflammation, and all pain—



KEEP IT ON YOUR MIND-

that genuine Pond's Extract has a buff wrapper and yellow label.

POND'S EXTRACT CO., 76 5th Ave., New York. | Coccessors



# 30 HARDWARE DEALERS IN BOSTON

SELL STARRETT'S FINE MECHANICAL TOOLS

THE BEST MECHANICS

USE THEM.

SEND FOR CATALOGUE No. 13. 86 PAGES, ILLUSTRATED, FREE.

THE L. S. STARRETT CO., BOX 62,
ATHOL, MASSACHUSETTS.





THE LARGEST ASSORTMENT OF FOREIGN WOOLLENS SHOWN IN BOSTON

M. I. T. CO-OPERATIVE.

# THE TECH

VOL. XV.

BOSTON, OCTOBER 24, 1895.

No. 4.

#### Тне Тесн

Published every Thursday, during the college year, by students of the Massachusetts Institute of Technology.

CHARLES GILMAN HYDE, '96, Editor in Chief.

EDWARD ARTHUR BALDWIN, '96, Assistant Ed. in Chief.

CLARENCE WARREN PERLEY, '96.

SHELDON LEAVITT HOWARD, '97.

WILLIAM THORNTON PARKER, '97.

RALPH SPELMAN WHITING, '97.

THOMAS EDDY TALLMADGE, '98.

RAYMOND SMITH WILLIS, '98.

SHELDON LEAVITT HOWARD, '97, Secretary.

W. R. STRICKLAND, '98, Business Manager.

Subscription, \$2.50 per year, in advance. Single copies, 10 cts. each

For the benefit of students THE TECH will be pleased to answer all questions and obtain all possible information pertaining to any department of the College.

Contributions are requested from all undergraduates, alumni, and officers of instruction. No anonymous manuscript can be accepted.

Entered in Post Office, Boston, Mass., as Second Class Matter.



LTHOUGH an attempt has been made for a number of years on the part of successive "Technique" Boards, and through various editorials appearing in The Tech from

time to time, to secure a suitable Technology song, all efforts have hitherto proved fruitless, and our college stands to-day as deplete in this respect as it was on the day of its founding. While the prizes which other years have offered must be considered as bribes to a semblance of that true college spirit which readily finds its outcome in song, it is equally certain that no co-operation whatever would have been gained in the past from the student body at large had not such offers of money This year the Ninety-seven been made. "Technique" Board has come forward with the customary energy, and has offered a prize which, in itself, is well worth any effort which might be expended in gaining it. We regret, indeed, that such a course should be pursued to obtain what we so much desire and what our college so emphatically needs-a good representative song. Yet, in the absence of a better method of pursuance, The Tech must heartily commend this stand which the "Technique" Boards have taken.

So thoroughly has the college song become identified with the student life, or, it might be said, to such an extent is the college song an exponent of the college life, that the public is wont, to-day, to consider them inseparable. The song is but a part of that artistic life which, under the general nomenclature of college customs and outside undertakings, athletic, social, literary and histrionic, appeals, more especially to-day than ever before, to the world at large.

In the work of the Glee Club the lack of a Technology song is noticeably felt. With the necessity thus staring us in the face, let Technology men make a general effort along this line, so that the year will not have passed, and the Ninety-seven "Technique" will not have been issued, without placing before the world a song which will become a part of our college life, and be handed down to succeeding years.

EHIGH UNIVERSITY'S gain has been our heavy loss; but we must consider ourselves somewhat consoled by the universal recognition of Dr. Drown's superior qualities.

We notice with great pleasure a full account in the Brown and White (Lehigh) of the address given on Founder's Day at Lehigh by Dr. Drown. One has but to read this expression of sentiment in regard to modern technical education to gain an understanding of the breadth of the author's ideas.

Dr. Drown is recognized as an authority in his special lines, and has spent years of deep study at home and in the great foreign Universities in the subjects of Chemistry and Metallurgy, but at the same time he has developed his education along other lines to such an extent that he possesses a mind of the greatest breadth. In his address on Founder's Day at Lehigh, Dr. Drown entreats young men pursuing technical courses of study to spend more and more of their energy and thought on literature, language, and those other branches which tend "to exalt the humanities." He goes so far as to advise the student to spend five instead of four years, if necessary, in the covering of this broader field.

In one of the later issues of the American University Magazine a full-page history of Dr. Drown's life and achievements appears. Here full credit is given to his work.

It is a pleasure to feel that Dr. Drown goes into his new life with such bright prospects, and it is equally pleasant to feel that one who has belonged to Technology is so assured of success in those fields of work into which he has now entered.

6 HE college student is supposed, by many who are ignorant and thoughtless, to be an idle, hilarious creature, whose main occupation in life is athletic contests, varied by occasional applications of vermilion to the municipality which he honors by his presence. Such a view is perhaps natural enough, since it is always the least worthy members of a community who receive the great share of public attention, while the peaceful and orderly are comparatively ignored, no matter whether they are humble, innocuous microbes, or industrious, self-respecting citizens. That such a view is, however, far from being the whole truth, would be apparent to the dullest intellect in the reports of the Student Volunteer Work Committee at Harvard. This noble society is a co-operation of young men who wish to do good in the world about them, and do it in the most effective and intelligent manner. All sectarian interests are merged in the common desiré for usefulness, and their

work is as varied as it is productive of good results. The reflex benefit to the student is obvious. The future clergyman, doctor, lawyer, or instructor, will profit by this early experience with the unfortunate classes, and selfishness, once the characteristic sin of the scholar, will be a thing of the past.

HE unhappy faculty, which altogether too many persons possess, of rushing into print with false and misleading statements, is seldom better illustrated than in an article recently published by a certain sensational evening paper of this city concerning a part of the work of our Biological Department.

The charges and insinuations are such that it is hard to attribute other than malicious motives to the author and his misinformers, when disproof could have been so easily obtained by proper inquiries. To those having any experience with biological work, the letter is, on the face of it, so absurd as to be almost beneath contempt; but to those unacquainted with Physiological methods, this short explanation is due.

6 HE Phildelphia Inquirer has, within the last few days, offered a cup valued at a thousand dollars, to the winner of the Pennsylvania-Princeton football games for the sea-This is certainly a good evidence of great popular interest in true amateur sport. The Inquirer deserves much credit for this effort at reconciliation between the two universities, but Princeton, at least, seems unwilling to overlook the bitter feud of last spring, and will probably hold herself aloof for some time further. Football at its best is a noble game, for which we have the highest admiration; but unless it can be conducted in an honorable, sportsmanlike feeling of generous rivalry, we must admit that intercollegiate football is a melancholy failure.

TECH are due to the Management of the Jordan Art Gallery for invitation cards to the private view of the admirable collection of pictures from the Paris Salons of Ninety-five. This exhibition, which has now been opened to the public for the remainder of the month, is undoubtedly the finest collection of contemporary French art ever seen in this city, and the opportunity to visit it should be eagerly and gratefully embraced by all lovers of art.

E announce with great pleasure the election of Mr. Clarence W. Perley, '96, to the editorial staff of The Tech. Mr. Perley has given considerable time to consideration of topics more strictly of an intercollegiate nature, and his articles on these subjects in recent numbers of The Tech have shown a grasp of the prevailing college sentiment which has proved his ability in this line of effort.

#### COMMUNICATIONS.

The Editors do not hold themselves responsible for opinions expressed by correspondents.

To the Editors of the Tech:-

Many complaints have been made by the men who use the Gymnasium, of the scarcity of warm water for bathing purposes. Much of the blame has been put on the Janitor for this, but he says it is not his fault. He explains the matter by saying that all the water used at the "Gym" comes from the street main by an inch and one-half pipe, which does not allow the water to run into the tank as fast as it is used. Then, again, the method of heating the water is very unsatisfactory, inasmuch that as soon as a part of the warm water is drawn off, the cold water rushes in and cools the remainder much quicker than the whole tank can be again reheated by the furnace. A new and larger supply pipe and, perhaps, more improved apparatus for heating the water, would be greatly appreciated by the users of our Gymnasium.

#### B. A. A. 24; Technology o.

THE Boston Athletic Association defeated Technology by superior weight and team work, at the South End grounds last Wednesday. During the first half the struggle was close and both teams played a good game. In the second half, however, the superior weight of the B. A. A. backs began to tell, and Tech weakened, till half way through the second half Underwood was injured, and the team went to pieces.

The ground was wet and soft, making it hard for the men to get a footing, and the ball was so slippery that most of the fumbles were excusable.

The Athletic Association played a strong game. The Waters brothers at tackles were in every play, and helped the interference very much. The weight of the B. A. A. backs had much to do with the score, and their persistent hammering at the Tech line bore fruit in the second half, when every rush netted 10 or 15 yards.

As usual Tech's line showed up better than the backs. Manahan played a steady game at center, while Le Moyne and Worcester were strong at guards, the latter breaking through several times. Van Horne and Ulmer did the pluckiest work of the whole eleven, and did their best against the Waters brothers. Heckle played a brilliant game at left end, and very few gains were made around him. Robinson worked hard but needs coaching, and does not break up the interference as well as he should.

Behind the line, Technology was very weak indeed. There was very little team work, and the backs did not play together. The backs also supported the line miserably when Technology was playing on the defensive. Hayden and Howland played hard and the former tackled splendidly, but neither did especially good work. Underwood's punting was one of the greatest faults of the team. He kicks too low, and does not give the ends time to get down the field. Each time on a low punt the B. A. A. men brought the ball back to

within a few yards of its starting point. The game began with a kick-off to Curtis, who ran 15 yards before Hayden downed him. The ball changed hands twice; then B. A. A. carried it to Tech's four-yard line by a series of short rushes. Technology held steady for four downs and got the ball. Howland tried the right end, but could not gain, and the ball was passed back to Underwood for a punt. But he muffed it, and it rolled across the line, Van Horne saving a touchdown by dropping Score: B. A. A. 2, Tech o. on the ball.

The ball was kicked off from Tech's 25-yard line, and B. A. A. carried it down the field and scored just before time was called for the first half.

In the second half, Underwood, Mansfield, and Van Horne were injured and obliged to leave the field, and B. A. A. went through the weakened line for ten yards at will. The line played a plucky game, but B. A. A. scored three times, and the final score was 24.

The men lined up as follows:—

B. A. A.		TECHNOLOGY.
Fay,	l. e. r.	Hopkins.
B. Waters,	l. t. r.	Ulmer.
Cuntz,	1. g r.	Le Moyne.
Russell,	č.	Manahan.
Wilson,	r. g. 1.	Worcester.
R. Waters,	r. t. l.	Van Horne.
Gallagher,	r e. l.	Heckle.
Graham,	g. b.	Mansfield.
Anthony, \	h. b.	∫ Howland
Atherton,	п. о.	\(\frac{\text{Hayden.}}{\text{Underwood.}}
Curtis,	f.b.	Underwood.

Umpire, Peters; referee, Thomas; time, 20 and 15 minute halves.

#### Dartmouth 30; Technology o.

DARTMOUTH defeated Technology at Manchester last Saturday by the score of 30 to o. For fifteen minutes of the first half the game was close and interesting, but as soon as Dartmouth scored her first touchdown Tech weakened, and the rest of the game was very one-sided.

her greatest gains around end. Ekstrome, F. H. Twombly, J. Nolte.

Crotins, Lakeman and Abbott distinguished themselves especially.

For Technology, Manahan, Le Moyne and Van Horne did the best work in the line, and Taylor played a plucky game at half back.

There was a strong wind blowing, and Dartmouth opened the game by a long kick to Underwood. Then Technology worked the ball back to the center of the field, and for fifteen minutes neither eleven could gain an During this time both teams advantage. played a strong defensive game, and few attempts were made at end.

Then Lakeman got around Heckle for fifteen yards, and Dartmouth scored in two more downs.

This touchdown seemed to discourage Technology, and Dartmouth scored twice more before the end of the half, and the score stood 16 to o in favor of Dartmouth.

The second half was a repetition of the Technology played hard for a few first. minutes and then went to pieces, Dartmouth scoring three times, making the final score 30 to o.

The men lined up as follows:—

DARTMOUTH.		TECHNOLOGY.
Lakeman, Abbott, Randal, Turner, Marshall, Lewis, Kelley, Perkins, Ekstrome,	1. e. r. 1. t. r. 1 g. r. c. r. g. l. r. t. l. r. e. l. q. b. h. b.	Hopkins. (Robinson) Whiting. Le Moyne. Manahan. Worcester. Van Horne. (Brown) Heckle. Mansfield.  S. Howland.
Crotins, f McAndrew,	f. b.	l I. Taylor. Underwood.

Umpire, Rockwell, M. I. T.; referee, Lakeman, Dartmouth. Time, 30 and 15 minute halves. Attendance, 500.

The recent '98 class election resulted as follows: President, W. M. Hall; First Vice President, E. F. Russ; Second Vice President, T. E. Tallmadge; Secretary, R. S. Dartmouth played a strong game and made | Willis; Treasurer, W. W. Ward; Directors,

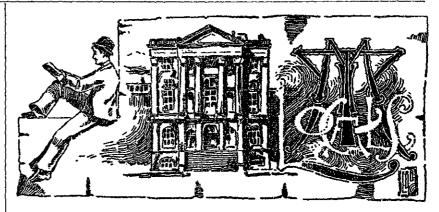
#### Degeneration.

So great has been the discussion aroused throughout the entire world of scientific learning—a world with which the interests of our own institution are so wholly connected—over Nordau's famous work, that we venture to append a short sketch of a now famous criticism which has recently appeared in one of our best-known magazines.

In the October Century an article of exceptional interest is Lombroso's estimate of Nordau's much-discussed, much-abused, and much-misunderstood "Degeneration." The criticism is particularly noteworthy inasmuch as Nordau frankly professes himself, in his introduction, as a devoted and admiring follower of his master Cesare Lombroso, to whom he owes all his inspiration.

Professor Lombroso, whose physio-psychic work in the study of crime has gained for him an international reputation, although somewhat embarrassed by his position in the matter, treats his follower's book with great fairness and good sense, takes exception to several of his conclusions, and considers him as another illustration of the occasional aberrations of men of genius. Concerning the diagnosis of Wagner, a point of criticism which in the musical world has provoked a discussion of exceedingly bitter characteristics, and which has, moreover, proved one of the weakest things in Nordau's book, Lombroso flatly denies the former's perversive and erroneous analysis, and although rejecting the philosophy of Wagner, gives to his music very high praise.

After all, we question very seriously whether high scientific attainments can be combined with the capacity for the appreciation and criticism of works of art; to us the two seem entirely foreign to each other. It is very gratifying, however, to find in Lombroso's case a breadth of vision and broadness of culture in pleasing contrast to the frequently narrow-minded and provincial attitude toward art which seriously mars Nordau's work, valuable and even great as it is in many respects.



The Glee Club held a meeting on October 15th.

The Mandamin Club met for the first time this year on October 11th.

Ex-Captain Thomas referreed the recent M. I. T.-B. A. A. football game.

The K<sub>2</sub>S Society held an important meeting in their rooms on October 15th.

Two guitar players are needed for the Banjo Club. Address Box 23, Cage.

Notices for the Institute Committee bulletin board should be left at Box 96, Cage.

The Geological Society meets every Thursday in Room 14, Rogers, at 4.15 P. M.

Mr. Thomas Vinton, ex-'97, of Indianapolis, is engaged in the banking business at Middletown, Conn.

The Executive Committee of the Base Ball Association held a meeting Monday, October 21, at 1 P. M.

The Technology Y. M. C. A. holds weekly meetings on Wednesdays, at 1.45 P. M., in Room 27, Rogers.

Mr. Joseph Harrington, '96, has charge, during afternoons, of Technology's exhibit at the Mechanics Fair.

Sample copies of the new "Drill Manual for Non-commissioned Officers" may be seen at Captain Bigelow's office.

A large part of the address which Dr. Drown delivered on Founder's day at Lehigh was published in Friday's *Philadelphia Press*.

Mrs. Richards has returned from a trip to Atlanta, where she has attended a convention of the American Institute of Mining Engineers.

The third-year architects will be given a course in Heating and Ventilation by Professor Woodbridge, instead of the former course in Physics.

An important business meeting of L'Avenir will be held next Monday afternoon. Every member of the Society should make it a point to be present.

The American University Magazine for August contains an illustrated article by C. G. Hyde, on the plays of L'Avenir and Der Deutsche Verein.

There was an interesting article on the new Boston Library in a recent number of the New England Magazine, written by C. Howard Walker.

Ninety-seven "Technique" requires a large collection of grinds and quotations. Contributions should be sent to S. L. Howard, or R. S. Whiting, Cage.

The Biological Society held a meeting, recently, in memory of the late Dr. Pasteur. Readings upon the great French scientists were given by members of the society.

The Exeter Club held a meeting Saturday, October 19th, in Room 20, Rogers, at 12 M. An important business meeting was also held on Monday, October 21st, in Room 11, Rogers.

The regular drills of the Freshman Battalion began Friday, October 18th. All cadets should appear in uniform, and officers are expected to provide themselves with chevrons without delay.

The Juniors, in the Course of Naval Architecture, procured a special tug last Thursday, on which they visited the new battle ship Indiana, now lying in the lower harbor previous to her official trial.

The Y. M. C. A. of the City of Boston has called Mr. George Mahaffy, of Philadelphia, to take the place of Mr. J. L. Gordon, resigned, as General Secretary of all the combined Boston Associations.

The recent Senior election resulted as follows: President, C. G. Hyde; Vice President, J. Harrington; Secretary, B. Ames; Treasurer, F. E. Guptill; Executive Committee, J. A. Rockwell, Jr., A. W. Thompson, C. H. Young.

The seniors in Chemistry are just beginning an optical sugar analysis and an analysis of oils. New laboratories have just been fitted up for this especial line of optical work, and with increased facilities the subject can be much extended.

The following candidates have been selected for the Glee Club: first tenor, Coombs, Morrill, Tucker, Gardiner; second tenor, Lamb, Dodge, Wadsworth, Page, Stearns; first bass, Underwood, Young, Grover, Nelson, Hill; second bass, Howland, Anthony, Johnson, Hiller.

The contract for making the uniforms for the corps of cadets has been awarded to Freeland, Loomis & Co., corner of Washington and Boylston Streets. The price for the uniform is \$14. Cadets who have not made other provisions for uniforms should get measured without delay.

At the biennial session of the International Statistical Association, held this summer in Berne, General Walker was elected one of the three vice presidents. Dr. Dewey, who is one of the American members, was also present. The next session of the association is to be held at St. Petersburg, in 1897.

The Andover Club met on Friday, October 11th, and elected the following new members: A. J. Skinner, '99; William West, '99; E. R. Sheak, '99; W. L. Hemer, '99; R. Hall, '99; H. K. Babcock, '99; A. L. Hamilton, '99;

H. M. Sherrill, '99; Walter Hennian, '99; Walter Howell, '99: W. H. Mandeville, '99.

The Class of '98 held its first regular meeting for the year on October 16th. The secretary's report of the last two meetings was read and accepted. Mr. Barber was 'unanimously elected manager of the class football team; and Messrs. Nolte and Twombly were elected captain and manager respectively of the class track athletic team.

At the recent meeting of the Class of '99, the first at which any legitimate business was conducted, a new Constitution Committee was elected, and a Secretary and a Cane Rush Committee were selected, the latter being composed of one man from each of the sections of the class. Mr. Riotte was also elected as temporary captain of the football team.

Students conditioned in third-year Physics Laboratory must make up the work during the first eight weeks of the term. The Laboratory will be open every afternoon from two to four, also Mondays and Thursdays from 10 A. M. until 1 P. M. Laboratory records left in Room 16, and not claimed by November 1st, will be confiscated. This applies also to second year Course VI.

The Glee Club held a business meeting on Tuesday of last week, at which Mr. Lamb, '97, was elected manager of the club, and Mr. Hiller,' 98, was chosen librarian and secretary. It was decided not to incur the expense of an instructor for the first few rehearsals, as it was thought that any expenditure for instruction would better be deferred until the club was more thoroughly organized.

The Architectural Society held its first regular meeting Wednesday, Oct. 16th. The only business brought before the meeting was the election of officers for the ensuing year. The result of the election is as follows: President, R. W. Porter, '96; Vice President, H. Von Holst, '96; Treasurer, J. H. Willis, '96; Secretary, Paine, '97. Members of the

Executive Committee are H. W. Chamberlain and A. Garfield.

The outlook for a Mandolin Club of the first rank is excellent, and if a few more guitar players can be secured, the organization will begin its practice soon. Mr. Barber, '98, states that it will be composed this year of five mandolins, four guitars, a 'cello, and flute. The great need in both the Mandolin and the Banjo Club is for guitars. Any man in the Institute who plays on this instrument should try for the Clubs.

The Senior Class held a short session in Room 22, Rogers, last Saturday. After the transaction of minor business, Mr. Hyde, the recently elected president, received the reins of office from Mr. Baldwin, and at once proceeded to the prosecution of new business. Mr. H. A. Poppenhusen and Mr. J. L. Putnam were elected to the Institute Committee, and Mr. S. D. Crane was elected by acclamation to a directorship in the Co-operative Society. Plans for the election of the Class-Day Committee are to be brought forward at the next meeting.

The Seniors in Course VI. are this year to enjoy a special advantage in receiving a series of lectures upon the various applications of electro-chemistry. Dr. Goodwin of Technology, who has made an especial study of the theory of electrolytic action, will treat the subject of electrolysis from the theoretical standpoint, while Professor Hofman will lecture upon its more practical workings as typified in electro-metallurgy. The course will also embrace a number of lectures by Mr. Lesueur, of Ottawa, who will give further instruction in the subject of electro-chemistry.

The first business meeting of the year of the M. I. T. A. C. was held Monday, October 14th, at 1 P. M., in Room 11, Rogers. The usual lack of interest among the student body was exhibited, and it was with difficulty that a quorum was obtained. Saturday, November

2d, was fixed as the date for the annual cross-country run, this early date being chosen because the weather is more favorable for record breaking now than later. The classes of '98 and '99 were requested to have their class track team captains elected as soon as possible, in order that the classes might be represented on the Executive Committee. A brief financial report was made by President Rockwell, in the absence of Mr. Lawson, the treasurer, who did not return to Tech. this fall. The report showed a deficit of one hundred dollars. The Executive Committee will appoint a treasurer pro tem to act until the annual meeting.

The Board of Editors of "Technique" have actively taken up the work laid aside last spring, and the material which will form the contents of the book, has been definitely decided upon. There have been several changes in the Board this fall. Messrs. A. C. Nash and J. S. Humphreys, of the Artistic Staff, having gone abroad to study at L'Ecole des Beaux Arts, have resigned, and the vacancies on the Staff have been filled in part by the election of Charles Ewing. Walter Humphreys has also been elected Statistician in place of Franklin E. Bragg, who will not return this year. It now remains for the students to do their part in contributing matter for publication. Liberal prizes have been offered by the Board. Grinds, quotations, and advertisements are especially desired, and it is hoped that every man in college will do his part to ensure the success of the annual. "Technique" will go to press February 12th, and the edition will be placed in the hands of the students during the latter part of March.

The following clipping from the Spring-field Republican of recent date, in regard to A. W. Grosvenor, who has entered the Class of Ninety-eight, from Amherst this year, will be read with interest by all Technology men:—

Asa W. Grosvenor, eldest son of Prof. E. A. Grosvenor, has left the Junior class of Amherst college, and has

entered the Massachusetts Institute of Technology, in the Sophomore class, to take a course in Mechanical Engineering. Grosvenor was Amherst's star 100-yards runner, taking second place to Patterson, of Williams, in both the 100 and 220 yards' dash at the last Worcester meet, and he will be greatly missed in coming intercollegiate athletic meets. He had made the 100 yards in 10 1-5 seconds, and also holds the college record for the running broad jump. The Billings prize cup and the Pope prize bicycle were both captured by him in the Amherst meets of last year, and his loss will seriously impair Amherst's chances in the new triangular athletic league. His classmates of '97 also looked to him to help them win the "cider" meet again this fall, and their chances of victory are now greatly lessened.

We believe, from what we have been able to learn, that Mr. Grosvenor will enter with proper spirit into the athletic undertakings of his newly adopted college. As a prospective firm supporter of Technology athletics, his advent among us must be hailed with true delight.

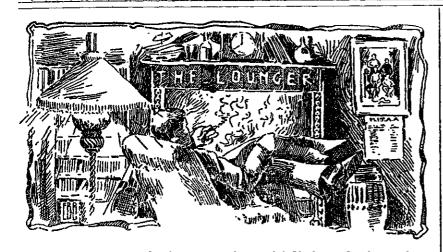
#### Alumni Notes.

Mr. W. R. Shedd, formerly instructor in second-year architecture, has left Technology because of ill health, and his place has been taken by Mr. H. A. Gardner, '93.

E. B. Bird, the well-known designer, formerly a prominent member of Course IV., has contributed several drawings to the current number of the *Inland Printer*, which are the source of much favorable comment.

We take pleasure in clipping the following editorial from the last issue of the Engineering and Mining Journal. As will be seen, the notice concerns one of our most distinguished alumni, and is a further recognition of the extraordinary success which has constantly followed Mr. Howe:—

Closely following the award of the Bessemer gold medal by the British Iron and Steel Institute to Mr. Henry M. Howe, comes the award to him for his researches on the nature and properties of steel, of the Elliott Cresson gold medal by the Franklin Institute, the highest honor which that body has to bestow. The fact that in thus honoring Mr. Howe, the Institute departs from its custom of awarding this medal for mechanical inventions, for which, indeed, it was particularly intended, and gives it—we believe for the first time—for metallurgical investigations, certainly heightens the already great distinction which the bestowal of this medal implies.



Another revolution of the whirligig of time has again brought that opportunity for sport which our politicians easily find in the class elections. Each year as the science of class politics becomes more elaborate and permits of greater finesse and strategy, the Lounger awaits the recurrence of this period with increasing expectance, not unmixed with curiosity. For the past few weeks, however, no particular novelties have manifested themselves; the Lounger has been an amused spectator of the superlative cordiality which each candidate exhibits prior to the election; has marveled in the customary way at the suddenly widened circle of acquaintance in which the aspirant delights to move; and has observed likewise this person's utter indifference, after the formalities of election, to the men whose friendship was erstwhile in such demand. Let no callow youth think that these incidents have being only in the Lounger's imagination, fertile though that be, for the Lounger has watched too many exciting campaigns to be wholly ignorant of all the entertaining and instructive phases of electioneering; and though a new method is occasionally employed, the old ones are still thought to be quite as efficacious and somewhat less expensive than the newfangled innovations.

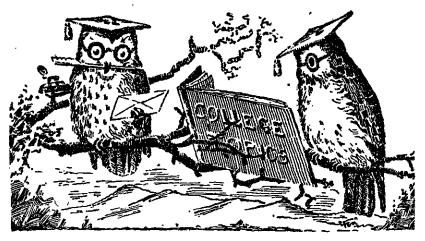
Perhaps the honorable gentleman who recently posed so attractively before the public will forgive the Lounger for insisting that the result of a class election is nothing forever to embitter a man's life, or to send him into the world a sneering, case-hardened cynic; nor, on the other hand, to raise him to any unheard-of pinnacles of beatitude. Like other terrestrial pleasures, the joy of political preferment is but fleeting; and though the Lounger arrogates no credit of originality in this statement, he trusts that his friends the defeated candidates will have become cheerfully resigned to its everlasting truth.

The Lounger has been amused to see to what fervors of righteous indignation his friends of the longnamed society can attain. Their last brilliant effort

seems to have been the wide exploitation of certain "inhuman cruelties" practiced in the Biological Lab. upon cats from which, as subsequent investigation showed, the ninth life had long ago taken flight. The people in question appear to have been members of a cooking class undergoing a few lectures upon biological subjects—the nature of their culinary pursuits obviously fitting them in a marked degree to probe to the bottom questions of anatomy and dissection—and, fondly gloating over their supposed discovery, they decided that a column in the daily paper was none too large a space to devote to a detailed description of the barbarous practices in vogue. If these worthy persons who were so anxious to rush into print with their woful tale of Technology atrocity had but stayed their too ready pens, they might easily have ascertained that the late felines which were supposed to be suffering the tortures of vivisection had been chloroformed some time before, and that their sufferings, if any there were, could have been only those inflicted in the next world for certain derelictions of cat-duty in the life just quitted.

All of which recalls a famous saying by a late philosopher, whose advice is so well known that the Lounger will forbear quoting it.

More agreeable, if not quite so sensational, was an experience which the Lounger had the other day within the confines of the sanctum, where he was called upon to extend the hospitalities of The Tech to two fair visitors. The presence of ladies in The Tech office is by no means a common event, and it was therefore with something swifter than alacrity that he removed his feet from the table and cast a halfburned cigar out of the window. A graceful bow, an exchange of compliments, and the Lounger, assuming his most chivalrous air, was soon engaged in animated conversation. The manifold attractions of the office were duly exhibited and discussed, while the Lounger diligently sought new seductive features wherewith to divert his friends. Everything, from the Lounger's view of Boylston Street to the degeneration of modern manly beauty—typified in the recent photographs of the editorial board—was duly discussed, not to mention delights to come with the advent of Junior week and another Tech tea. The Lounger was thoroughly enjoying himself when his guests, with an apology for the brevity of their call, rose to go, leaving him alone with his thoughts, and deep in speculation when he should again see the fair twain whose visit had so agreeably interrupted his morning.



The honor system has been adopted by the students at Lehigh.

Theodore Roosevelt has accepted an invitation to address the Yale University Graduate Club.

The concert receipts for the Princeton University Glee Club for the year '94-'95 were \$15,599.50.

The football captains at the various colleges are: Yale, Thorne; Harvard, Brewer; Princeton, Lea; Pennsylvania, Williams; Cornell, Wcykoff; Amherst, Pratt; Michigan, Hennenger; Chicago, Allen; Illinois, Hotchkiss; Minnesota, Larson; Williams, Hinkey; Dartmouth, McCormick; Trinity, Langford; Virginia, Mudd; Lafayette, Boericke; Brown, Nott.

Yale has added another famous laurel wreath to her ever-growing collection of athletic trophies, winning eight out of eleven events in competition with the athletes of Cambridge, England. It is surprising and a little unfortunate for Harvard that many people who take a very superficial interest in athletics have judged from newspaper headings that the Cambridge referred to was the city by the Charles. At the dinner given in New York in honor of the English visitors, a little incident occurred which considerably disturbed the gravity of part of the company. One of the speakers was alluding to the high standing of their guests in the world of sport, and spoke of them as the cream of the athletes of England, when some one was heard to softly remark, "Whipped cream!"



A good old farmer living far away from town Is ne'er stuck-up with all the airs he can, But ever seems retiring, always just so plain. Because he is a hoe-made sort of man.

--Rix.

"MOTHER GOOSE" REVISED.

Little Miss Muffit
Sat on a tuffit
And all went amiss with her blisses;
But a young man "spied her"
And sat down beside her.
P. s.—She's no longer amiss, but a "Mrs."

-The Brunonian.

#### WE HAVE ALL BEEN THERE.

That five-dollar bill, how you think of it still,
And the student you erringly trusted,
When he came to your room by the light of the moon
And told you with sighs he was busted.

Now you can't get another from father or mother, Or sister, or brother, or aunt; And you start out to earn it, when, Gee Whiz, Goll dern it,

You're lazy, or crazy, and can't.

—The Lafayette.

#### THE UNATTAINABLE.

The walls of his room were right gaudily decked
With trophies of many a hard-fou't bout;
With relics of rushes, with pictures of girls
Who had snared him at ball, at revel, at rout.
But mid the gay galaxy one fairy face
Caught my eye, and I asked, "Who's this?"
"O that," he replied with a yawn clearly feigned,
"Is the girl that I couldn't kiss."

#### L'envoy.

There's never a joy Dame Fortune gives
That we long for like those we miss:
How often we've all of us sighed in vain
For the "girl that we couldn't kiss."

-The Lafayette.



### Football, Field and Country Outfits

Negligee Shirts Waterproofs Sweaters Towels

Fishing Shirts Gymnasium Suits Guernseys Wrappers

#### English Waterproofs

For Ladies and Gentlemen

For Storm, for Street, for Traveling. The latest production, \$7.50 to \$45.00.

English Hold-alls Steamer Wraps and Rugs

#### NOYES BROS.

Agents for the Celebrated

#### HUMBER CYCLES.

In every cycle factory in the world HUMBER Cycles are admittedly the best product in cycle construction which inventive genius, precise methods, skilled mechanism, and unlimited facilities have produced. They are the standard of supreme excellence in all parts of the civilized world. Send for catalogue.

#### SHIRTS.

Gentlemen's Dress and Business Shirts, \$1.50, \$2.00, \$2.50 and upward. NEGLIGEE SHIRTS, \$1.50, \$2.00 and upward.

#### BICYCLE AND COLF OUTFITS.

Lounging and Blanket Wraps, \$5 to \$25.

**GLOVES.** The New Grip Driving Glove, the Famous London Tan at \$1.35. Fownes' New Craven Tan, Fownes' New Cavendish Tan, Fownes' Best Cheverette Gloves.

PAJAMAS or East India Sleeping Shirts, and Long Night Shirts, made from English Flannels, Cotton and Silk, for steamer, sleeping car, yachting, or hunting.

SPECIAL LAUNDRIES for Dress Shirts, for Family Work, for Collars and Cuffs. The BEST work possible to be done.

### NOYES BROTHERS,

Washington and Summer Sts., BOSTON, MASS., U. S. A.

Established 1828.

## CHAUNCY HALL SCHOOL Letter · Drawing · Plates

HAS LONG MADE A SPECIALTY OF

PREPARATION FOR

### TECHNOLOGY.

REFERENCE is made to the INSTITUTE FACULTY in regard to the thoroughness with which Chauncy-Hall pupils are fitted, not only for entering the Institute, but also for pursuing successfully their subsequent work. Preparation, also, for business and for college.

593 Boylston Street, Boston.

(Very near the Institute.)

PROFESSOR C. L. ADAMS'
PORTFOLIO OF
Letter • Drawing • Plates

Grundmann Studios, adjoining Architectural
Building,

can be obtained at our branch store,

where we shall keep at all times a full line of

DRAFTING IMPLEMENTS,
DIAWING AND BILL PROCESS PADELS,
SCALES, TRIANGLES,
CURVES, T SQUARES, Etc.

Wadsworth, Howland & Co.,

82 and 84 Washington St., Boston, 38 Randolph Street, Chicago.

SPECIAL RATES TO STUDENTS.

#### Albert Benari, Tobacconist,

33 TREMONT STREET,

BOSTON, MASS.

Cigarettes, Tobacco, and Smokers' Articles. Agent for Hale's Smoking Mixture.

# SCIENTIFIC BOOKS The Old Corner Bookstore,

#### DR. CHARLES P. VESPER. DENTIST.

194 Boylston Street, opp. Public Garden, Boston.

#### **CLASS-DAY INVITATIONS,**

BLANK BOOKS, FOUNTAIN PENS,

CAN BE FOUND AT THE CO-OPERATIVE STORE,

H. H. CARTER & CO., 5 Somerset St., near Beacon.

#### MANDOLIN, Banjo and Guitar Lessons.

Instruments, Best Strings, Latest Music, etc.

G. L. LANSING, No. 171 Tremont St. Ask for Mr. Lansing.

Gentlemen! I wish to call your attention to the fact that I am paying the highest Cash Prices for Cast-off Clothing. Also Cleaning and Repairing done at short notice. Money to loan. Send postal to .....

M. KEEZER,

117 1-2 Pleasant Street, Boston.

I can be found outside the Technology Buildings on Boylston St. daily



388 Washington St., Boston.

ALL GARMENTS CUT IN STRICT ENGLISH STYLE. M. I. T. Co-operative.

#### PRIZE MEDALS of SOCIETY PINS.

Manufacturers of the Official Tech Pin.

DIAMONDS AND FINE JEWELRY A SPECIALTY.

#### HENRY GUILD & SON.

No. 433 Washington Street, cor. Winter Street, Boston.

If so, no store in Boston can give you better value for your money than ours.

BOSTON LINEN, BOSTON BOND, and BUNKER HILL

are the nicest papers in existence, and can be had in all the correct sizes, daintiest tints and latest finishes. Full lines of Students' Notebooks, Theme Papers, and general stationery.

SAMUEL WARD CO., 49 Franklin St., Boston.

### Woodworking Machinery.

S. A. WOODS MACHINE CO.

172 High Street, Boston.

#### COLUMBIA TAILORING ROOMS.

Ladies' and Gents'

### FINE \* TAILORING.

DRESS SUITS TO LET.

Fancy Dyeing and Cleansing. Goods called for and delivered free.

597 1-2 TREMONT ST., BOSTON.

I. SHEINWALD, Manager.

### PHILADELPHIA ICE CREAM GOMPANY,

150 Tremont Street, Boston.

Telephone No. 1060.

E. M. LAWS, Prop.

Ice Cream Soda a Specialty. Afternoon Delivery to Brookline and Highlands.

#### J. E. HILL, Watchmaker.

Cleaning Watches a Specialty.

No. 106 TREMONT STREET.

#### CHAS. C. HUTCHINSON. SURVEYING INSTRUMENTS,

Charts, Books, and Compasses.

150 AND 152 STATE ST., BOSTON.

#### ARCHITECTURAL PHOTOGRAPHS,

The Largest Collection in America.

All the best Public Buildings, Churches, Private Houses, and Business Blocks in Boston and New York.
Richardson's Works of Importance from all over New England. Also a complete line of

#### Art Photographs for Room Decoration.

STUDENTS WELCOME TO EXAMINE, WHETHER DESIRING TO PURCHASE OR NOT.

#### SOULE PHOTOGRAPH CO., Publishers,

338 Washington Street, Boston.

#### FALL COODS NOW READY.



OF HAMILTON PLACE BOSTON.



Week beginning October 28, 1895.

Castle Sq. Theatre.—The comic opera, "Billee Taylor," is the next attraction. It is safe to say that it will be played to crowded houses, as the opera season at the Castle Square has become more and more popular. The productions of the Castle Square Opera Company have been improving steadily from the first, and "Billee Taylor" will be no exception.

Hollis Street Theatre.—Miss Ada Rehan will be at the Hollis for the week beginning Oct. 28. The arrangement of plays will be as follows: Mon-

day, "The Railroad of Love;" Tuesday, "Twelfth Night;" Wednesday matinee and evening, "Taming of the Shrew;" Thursday, Friday, and Saturday matinee, "Midsummer Night's Dream;" Saturday night, "As you like it."

Tremont Theatre.—Messrs. E. M. and Joseph Holland will be at the Tremont during the week beginning Oct. 28, in their new play, "The Social Highwayman." It is a dramatization of a novelette by Miss Elizabeth Phipps Train, which appeared in Lippincott's Magazine for July. It has been a surprise to every one, but is also a success.

Boston Theatre.—" Burmah" is still at the Boston, and is achieving a great success. Without question, "Burmah" is one of the most elaborately staged melodramas ever given in this country. The press of other engagements will necessitate its ending the Boston engagement.

Park Theatre.—Mr. and Mrs. Sidney Drew are still at the Park. Their new comedy, which was such a success in Washington, is as attractive here, and is pronounced very amusing. Mr. McKee Rankin is with them, taking one of the leading parts.

Boston Museum.—"The Fatal Card" still continues its career at the Museum. The fiftieth performance will come on Wednesday, Oct. 30, and will be celebrated by the presentation of souvenirs at both afternoon and evening performances.

### LEADING OUTFITTERS

# High Grade Mackintoshes at popular prices.

For the Principal Colleges in New England, Regular Co-operative Discounts.

### CLEVE & KRIM,

Metropolitan Rubber Co.
46 Summer Street, Boston.

### Thayer, McNeil & Hodgkins'



\_\_\_\_

\$4, \$4.50, \$5, \$5.50, and \$6 a pair.

Members of Co-operative. 47 Temple Place, Boston.

### F. L. DUNNE, Maker of Men's Clothes.

#### Sporting and Mufti Dress of every Description.

Exclusive London Fabrics for Golfing, Riding and Bicycling. Sample garments of the Latest London Fashions in Sporting Clothes.

TRANSCRIPT BUILDING,

BOSTON.

#### COWLES ART SCHOOL,

145 Dartmouth Street.

Special attention given to Evening Classes for Tech Students in life and cast drawing.

Address -

F. M. COWLES, Manager.

Tuition, \$4.00 per Month.

Three Evenings per Week.

# THE BRUNSWICK

BOSTON.

Boylston and Glarendon Streets,

(Adjoining Copley Square)

Near the Museum of Fine Arts, New Public Library, New Old South Church, and opposite Trinity (Phillips Brooks') Church, and Institute of Technology.

# KEPT ON BOTH AMERICAN AND EUROPEAN PLANS.

BARNES & DUNKLEE, Proprietors.
H. H. BARNES, Manager.





### FOOTBALL SUPPLIES ... We can furnish every requisite for the game —

UNIFORMS, HEAD HARNESS, SHIN GUARDS, NOSE PROTECTORS, SHOES, etc., etc.

A full assortment for Fall and Winter Sports. Send for complete Catalogue.

The Official Football Guide for 1895, edited by Walter Camp, and rules revised by committees from Yale and Princeton, and Harvard, Pennsylvania and Cornell. Price, ten cents.

WRIGHT & DITSON, Boston, Mass.

Wholesale, 95 Pearl Street.

Retail, 344 Washington Street.

### DAME, STODDARD & KENDALL.

We are making a specialty of

#### FOOTBALL AND CYMNASIUM CLOTHING.

Also carry everything pertaining to Football and Gymnasium Purposes

Discount to Tech students.

NO. 374 WASHINGTON AND NO. 2 FRANKLIN STREETS, BOSTON.



### The Richmond Straight Gut No. 1 Cigarettes.

Cigarette Smokers who are willing to pay a little more than the price charged for the ordinary trade cigarettes, will find this brand superior to all others.

These Cigarettes are made from the brightest, most delicately flavored, and highest cost Gold Leaf grown in Virginia. This is the Old and Original Brand of Straight Cut Cigarettes, and was brought out by us in the year 1875.

Beware of imitations, and observe that the firm name as below is on every package.

#### ALLEN & GINTER

THE AMERICAN TOBACCO CO., SUCCESSOR,

Manufacturer,

RICHMOND, VIRGINIA.

# QUICK LUNCH\_\_\_\_ BOYLSTON CAFÉ.

A. ALGAR, Proprietor.

707 BOYLSTON ST., corner Exeter.

## HOTEL PLAZA,

419 Columbus Ave., Boston.

Pioneer of the new hotel center in Boston. Noted for its superb location, superior rooms, excellent cuisine and service. Standard hotel for giving more value for price than any first-class hotel in city.

#### BARBER SHOP

Everything in connection first class. College work solicited. Shaving, 10 cents.

BILLIARD ROOM

F. S. FROST, Pres.

H. A. LAWRENCE, Treas.

H. C. GARDNER, Sec'y.

#### 

Colors, Drawing Papers, Blue Process Papers, T-Squares, Scales, Curves, Triangles, and all kinds of Architects' and Engineers' Supplies and

#### Artists' Waterials

AND PICTURE FRAMES, IS AT

FROST & ADAMS CO., ST CORNHILL, BOSTON, MASS.

NEW OATALOGUE FREE ON APPLICATION. importers, Wholesale and Retail Dealers.

Special Rates to the M. I. T. Students.

### GEO. H. GREENWOOD,

#### 9 AND II BOYLSTON STREET,

DIRECT IMPORTER OF

### FRENCH ENGLISH BRIAR PIPES

AND SMOKERS' NOVELTIES

The Most Complete Stock of Fine Goods in the City.

ALLAND BROS

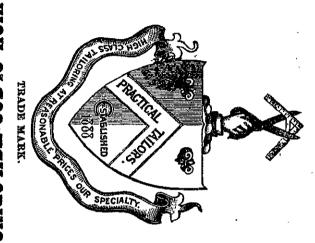
PRACTICAL TAILORS,

and 4 Park Stree

(STREET FLOOR)

Note.—We are Practical Tailors and Cutters, and give our personal attention to the cutting and fitting, all garments being made up on the premises under our constant supervision, thus enabling us to produce the very best garment in fit, style, and workmanship, and at a price which we are confident is about one third less than the same class of tailoring elsewhere.

at Reasonable Prices our specialty.
Suitings and Dychooting \$35 and upward.
TROUSEBINGS, \$8 and upward.



### Priest's Dining Room,

102 Dartmouth Street, Boston.

21 Meals (full ticket), \$4.00. 14 Meals, Breakfast and Dinner, \$3.00. 7 Meals, Breakfast, \$1.50. 7 Meals, Lunch, \$1.40. 7 Meals, Dinner, \$1.75.

Hours for Meals.—Week Days: Breakfast 6 to 10; Lunch, 12 to 2.30; Dinner, 5 to 8. Sundays: Breakfast, 8 to 10.30; Dinner, 12.30 to 3.30; Lunch, 5.30 to 7.30.

C. M. PRIEST, Proprietor.

NECKWEAR

**UMBRELLAS** 

L. E. FLETCHER & CO.

### College Hatters and Outfitters.

Latest Styles and Popular Prices. Custom Shirts a Specialty.

M. I. T. CO-OPERATIVE SOCIETY.

No. 158 Boylston Street, Boston.

**GLOVES** 

CANES